

ABSTRACT

An intravascular guide wire having at least two core materials joined together without the use of a hypotube. There is a core having a proximal core section with a proximal end and a distal end and a distal core section with a proximal end and a distal  
5 end. The distal end of the proximal core section and the proximal end of the distal core section are ground into complementary shapes, and then placed into a fixture in opposing directions with a small gap in-between the ends to receive a mass of hardened material to wick therein. Once the proximal and distal core sections are bonded, welded, brazed, cemented, or soldered together, the guide wire is then ground to a  
10 required outer diameter, depending on the design needs of the specific guide wire.